

- Drafts
- Pending
- Active
 - L1: (1040957) defect or error or fault
 - L2: (1708950) adjacent
 - L3: (18360) 1 with 2
 - L4: (108580) disk adj1 drive
 - L5: (4101) sector adj1 address
 - L6: (1) 3 same 4 same 5
 - L7: (131) 3 and 4 and 5
 - L8: (1970154) log or memory or storage
 - L9: (123) 3 and 4
- Failed

File Edit View Calc Tools Window Help

DB: USPTO-US-FOUR-FPO-PO-IBM-105

Open/Close

7 and 8

Printed by [User] on [Date]

Number	Document Type	Issue Date	Pages	Title	Current IP	Current KB	Retrieval	Inventor	S	C	P	R	E	M	
1	P	US	20040429	35	Flash EEPROM system	365/200			Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
2	P	US	20040422		Method and apparatus for servo defect management	360/75			Hetzler, Steven	<input checked="" type="checkbox"/>					
3	P	US	20040226		Multichannel digital recording system with multilevel recording medium, its controller and control	369/94	369/95		Robert et.al.	<input checked="" type="checkbox"/>					
4	P	US	2004013062		Recording medium, its controller and control	369/47.14	369/275.3		Brommer, Karl D. et.al.	<input checked="" type="checkbox"/>					
5	P	US	20031106		Flash EEPROM system	365/200			Hino, Yasumori et al.	<input checked="" type="checkbox"/>					
6	P	US	20030206449		Flash EEPROM system	365/185.03	365/185.33		Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
7	P	US	20030202377		Multi-layered information recording medium	369/47.14	369/275.3; 369/283		Ueda, Hiroshi et al.	<input checked="" type="checkbox"/>					
8	P	US	20030137910		Method for creating defect management information	714/719			Kim, Byung-Jin et al.	<input checked="" type="checkbox"/>					
9	P	US	20030135800		Method for creating defect management information	714/719			Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
10	P	US	20030128618		Flash EEPROM system	365/230.03	365/185.19		Kim, Byung-Jin et al.	<input checked="" type="checkbox"/>					
11	P	US	20030126528		Method for creating defect management information	714/719			Kim, Byung-Jin et al.	<input checked="" type="checkbox"/>					
12	P	US	20030126527		Method for creating defect management information	714/719			Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
13	P	US	20030110411		Flash EEPROM system	714/8			Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
14	P	US	20030522		Flash EEPROM system	714/8			Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
15	P	US	20030515		Flash EEPROM system	714/8			Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
16	P	US	20030515		Flash EEPROM system	365/185.29	365/185.09		Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
17	P	US	2003090941		Track closure error cancellation for a disc	360/77.04	360/77.08		Min, ShuangQuan et al.	<input checked="" type="checkbox"/>					
18	P	US	2003058570		Flash EEPROM system	714/8	716/7		Harari, Eliyahou et.al.	<input checked="" type="checkbox"/>					
19	P	US	2003046603												

Ref	Document ID	Issue Date	Pages	Title	Current OR	Current KB	Retrieval	Inventor	S	C	P	
34	F	US 20030014689	20030116	Flash EEPROM system	714/7			Harari, Eliyahou et.al.	C	C	C	
35	F	US 20020191319	20021219	Merged defect entries for defects running in Method and apparatus for recording optical information	360/53			Liew, San Yuan et.al.	C	C	C	
36	F	US 20020118624	20020829	Disk apparatus	369/59.25	369/275.3		Shoji, Mamoru et.al.	C	C	C	
37	F	US 20020711193	20020613	Position sensing system for a disc drive using HYBRID DATA STORAGE AND RECONSTRUCTION SYSTEM A	360/31	360/53		Ogawa, Hitoshi et.al.	C	C	C	
38	F	US 20020067563	20020606	Flash EEPROM system	360/53	360/48; 360/77.08; 711/112; 711/114		Belser, Karl Arnold	C	C	C	
39	F	US 20020059539	20020516	RECONSTRUCTION SYSTEM A	714/6			ANDERSON, DAVID B.	C	C	C	
40	F	US 20020046318	20020418	Recording medium	711/103	365/185.3; 365/185.33		Harari, Eliyahou et.al.	C	C	C	
41	F	US 20020042900	20020411	FAILURE ANALYSIS APPARATUS	714/795			SCHACHNER, JOSEPH M. et.al.	C	C	C	
42	F	US 20020024900	20020228	Optical disk, optical disk drive apparatus, a	369/47.17			Nakane, Kazuhiko et.al.	C	C	C	
43	F	US 20020021517	20020221	Method and apparatus for recording and reproducing	360/48	360/53		Katayama, Yukari et.al.	C	C	C	
44	F	US 20020015372	20020207	Optical disk, optical disk drive apparatus, a	369/59.18			Nakane, Kazuhiko et.al.	C	C	C	
45	F	US 20011043805	20011122	Optical disc recording apparatus...computer-read	386/126			Nakatani, Tokuo et.al.	C	C	C	
46	F	US 20010043804	20011122	Optical disc recording apparatus...computer-read	386/126			Nakatani, Tokuo et.al.	C	C	C	
47	F	US 20010026472	20011004	Flash EEPROM system	365/185.03	365/185.11		Harari, Eliyahou et.al.	C	C	C	
48	F	US 20010024386	20010927	Flash EEPROM system	365/200			Harari, Eliyahou et.al.	C	C	C	
49	F	US 20010002174	20040713	Flash EEPROM system	365/185.33	365/185.11		Harari, Eliyahou et.al.	C	C	C	
50	F	US 6763480	B2	Flash EEPROM system	714/8	365/185.09		Harari, Eliyahou et.al.	C	C	C	
51	F	US 6757842	20040629	Flash EEPROM system	714/7	365/185.12		Harari, Eliyahou et.al.	C	C	C	
52	F	US 6754860	B2	Method for creating defect management information	714/723	714/747		Kim, Byung-Jin et.al.	C	C	C	
53	F	US 6747930	B1	Data protection on an optical disk	369/53.21	369/47.1; 369/84		Weldon, James et.al.	C	C	C	
54	F	US 6738205	B1	Self-writing of servo patterns in disk drives	360/17	360/75		Moran, Patrick et.al.	C	C	C	
55	F	US 6704838	B2	Hybrid data storage and reconstruction system a	711/114			Anderson, David B.	C	C	C	
56	F	US 6691265	B2	Method for creating defect management information	714/723	714/747		Kim, Byung-Jin et.al.	C	C	C	
57	F	US 6684345	B2	Flash EEPROM system	714/8	365/185.02		Harari, Eliyahou et.al.	C	C	C	
58	F	US 6564345	20030513	Method for creating	714/723	714/747		Kim, Byung-Jin et.al.	C	C	C	

ID	Type	Document ID	Issue Date	Page#	Title	Current	On	Current	KR	Revised	Inventor	S	C	P	Other
						OP	OP	OP	OP	OP	OP	OP	OP	OP	OP
44	P	US 6529460	20030304		Detection of pulse peak instance_and_amplitude	369/59.21	369/124.05				Belser, Karl A.	C	C	C	C
	B1				Flash EEPROM system	714/8	714/710; 714/723				Harari, Eliyahou et.al.	C	C	C	C
45	P	US 6523132	20030218		Flash EEPROM system	365/185.33	365/185.11				Harari, Eliyahou et.al.	C	C	C	C
	B1										Nakane, Kazuhiko et.al.	C	C	C	C
46	P	US 6519185	20030211		Flash EEPROM system	365/185.33	365/185.11				Suzuki, Hiroaki et.al.	C	C	C	C
	B2										Nakane, Kazuhiko et.al.	C	C	C	C
47	P	US 6493306	20021210		Optical disk, optical disk_drive_apparatus_a	369/59.18	369/124.15				Harari, Eliyahou et.al.	C	C	C	C
	B2				Error recovery in unit using_GMR_sensor	360/75	360/313; 360/324					C	C	C	C
48	P	US 6466530	20021015		Optical disk, optical disk_drive_apparatus_a	369/47.17	369/124.15				Nakane, Kazuhiko et.al.	C	C	C	C
	B1				Flash EEPROM system	365/185.33	365/185.19				Harari, Eliyahou et.al.	C	C	C	C
49	P	US 6462992	20021008		Recording medium failure_analysis_appara	714/795	369/47.27; 714/794				Schachner, Joseph M. et.al.	C	C	C	C
	B2				Optical disk, optical disk_drive_apparatus_a	369/47.17	369/275.4; 369/44.26				Nakane, Kazuhiko et.al.	C	C	C	C
50	P	US 6442730	20020827		Disk drive employing method_of_monitoring_tr	365/185.22	365/185.03				Harari, Eliyahou et.al.	C	C	C	C
	B1											C	C	C	C
51	P	US 6438079	20020820		Method and apparatus for recording_and_repro	360/77.04	360/77.08; 360/78.14				Katayama, Yukari et.al.	C	C	C	C
	B1				File system conversion	707/200					Orcutt, Niel	C	C	C	C
52	P	US 6414876	20020702		Flash EEPROM system	365/185.09	365/185.03				Harari, Eliyahou et.al.	C	C	C	C
	B1											C	C	C	C
53	P	US 6411458	20020625		Disk drive employing method_of_monitoring_tr	360/75	360/25				Billings, Russell A. et.al.	C	C	C	C
	B1											C	C	C	C
54	P	US 6400523	20020604		Optical disc recording apparatus_computer_rea	360/77.04	360/77.08; 360/78.14					C	C	C	C
	B1				Optical disc recording apparatus_computer_rea	366/126	386/125; 386/70					C	C	C	C
55	P	US 6377958	20020423		Picture signal recording_and_reproduci	366/126	386/125; 386/70				Kihara, Toshiaki	C	C	C	C
	B1				Optical disk format having_a_continuous_rec	369/275.3	369/275.4					C	C	C	C
56	P	US 6339677	20020115		Object reconstruction on_object_oriented_data	714/763					Anderson, David B.	C	C	C	C
	B1				Flash EEPROM system	365/185.09					Harari, Eliyahou et.al.	C	C	C	C
57	P	US 6337845	20020108		Defective data site management_through_a_sh	386/126	386/128; 386/70				Nakatani, Tokuo et.al.	C	C	C	C
	B1				On the fly write reallocation	711/162	711/111; 711/112; 711/112				Schibilla, Mark R. et.al.	C	C	C	C
58	P	US 6321358	20011120		Encoded TID with error detection_and_correctio	714/710					Schibilla, Mark R.	C	C	C	C
	B1				Disk drive having two	714/8	714/54				Blaum, Mario et.al.	C	C	C	C
59	P	US 6285827	20010904								Billings, Russell	C	C	C	C
	B1											C	C	C	C
60	P	US 6279089	20010821									C	C	C	C
	B1											C	C	C	C
61	P	US 6263459	20010717									C	C	C	C
	B1											C	C	C	C
62	P	US 6226138	20010501									C	C	C	C
	B1											C	C	C	C
63	P	US 6223303	20010424									C	C	C	C

Y	X	Document	Issue Date	Pages	Title	Current OR	Current XB	Retirement	Inventor	S	C	P	
61	F	US 6201775	20010313		Optical disk format having a continuous record	369/44.29	369/44.28; 369/53.28		Nakane, Kazuhiko et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
69	F	C US 6185575	20010206		B1. In-place disk partition canonization and storage	707/200	711/112; 711/113; 365/218; 714/7.		Orcutt, Niel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70	F	F US 6149316	20001121		A Flash EEPROM system	714/8			Harari, Eliyahou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
71	F	F US 6125469	20000926		A Error correction method and apparatus	714/769			Zook, Christopher P. et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72	F	F US 6118924	20000912		A Optical disc recording apparatus computer-read	386/70	386/125; 386/126		Nakatani, Tokuo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
73	F	F US 6091699	20000718		A Optical disk format having a continuous record	369/275.3	369/124.01		Nakane, Kazuhiko et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74	F	F US 6078463	20000620		A Method and system for generating a position error	360/77.12	360/48		Pahr, Per Olaf	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75	F	F US 6067284	20000523		A Recording power adjustment for optical	369/116	369/53.26		Ikeda, Toru et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76	F	F US 6043945	20000328		A Recording/reproducing device and method of reading	360/53	360/47; 714/704;		Tsuboi, Takehiko et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
77	F	F US 6034831	20000307		A Dynamic reverse reactivation apparatus and	360/53	360/31; 360/47;		Dobbek, Jeffrey J. et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78	F	F US 5999446	19991207		A Multi-state flash EEPROM system with selective cell by cell programming	365/185.03	365/185.09		Harari, Eliyahou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
79	F	F US 5991517	19991123		A Flash EEPROM system with cell by cell programming	714/3	714/8		Harari, Eliyahou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80	F	F US 5936971	19990810		A Multi-state flash EEPROM system with cache	714/710	365/200; 711/136		Harari, Eliyahou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81	F	F US 5933410	19990803		A Optical disc and optical disc driving apparatus	369/275.3	369/275.4		Nakane, Kazuhiko et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
82	F	F US 5877986	19990302		A Multi-state Flash EEPROM system on a card	365/185.33	365/185.09		Harari, Eliyahou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
83	F	F US 5867475	19990202		A Optical record carrier and method for recording	369/275.3	369/59.24		Moriya, Mitsurou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
84	F	F US 5862080	19990119		A Multi-state flash EEPROM system with defective cell	365/185.29	365/185.33		Harari, Eliyahou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
85	F	F US 5838658	19981117		A Optical disc	369/275.4	369/275.2; 369/275.3		Nakane, Kazuhiko et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
86	F	F US 5835509	19981110		A Method of and apparatus for recording and reproducing	714/755	714/762		Sako, Yoichiro et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
87	F	F US 5732066	19980324		A Optical record carrier and method for recording	369/59.26	369/275.3		Moriya, Mitsurou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
88	F	F US 5719808	19980217		A Flash EEPROM system	365/185.33	365/185.22		Harari, Eliyahou et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
89	F	F US 5715105	19980203		A Method of and apparatus for recording on and reading	360/48	360/53; 360/77.08		Katayama, Yukari et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	F	F US 5712836	19980127		A Apparatus and method for adjusting a rotation	369/47.46			Kamoto, Hideyoshi et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
91	F	F US 5708649	19980113		A Optical disk capable of storing information data	369/275.3	369/47.19; 369/47.4;		Kamoto, Hideyoshi et.al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
92	F	F US 5671229	19970923		A Flash EEPROM system	714/710	365/200;		Harari, Eliyahou	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Document	Issue Date	Page	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	R	S	
53	P	US 5640383	19970617	Apparatus and method for reproducing data from Bi-level optical media having embossed header	369/275.3	369/44.26		Kamoto, Hidetoshi et.al.	□	□	□	□	□
94	P	C	US 5615205	19970325	Flash EEPROM system	369/275.4	369/275.3	Belser, Karl	□	□	□	□	□
95	P	E	US 5602987	19970211	Error correction method and apparatus	714/8	365/200; 365/210; 714/765	Harari, Eliyahou et.al.	□	□	□	□	□
96	P	C	US 5602857	19970211	Cylinder address storage in multiple servo system card with flash	714/769		Zook, Christopher P. et.al.	□	□	□	□	□
97	P	E	US 5589998	19961231	Non-volatile memory system with flash	360/78.14	360/49; 360/76; 365/218; 710/13;	Yu, Mantle N.	□	□	□	□	□
98	P	R	US 5535328	19960709	Generally-diagonal mapping of address space	714/7		Harari, Eliyahou et.al.	□	□	□	□	□
99	P	R	US 5490264	19960206	Computer disk drive integrated data path circuit	711/154	711/100; 711/217;	Wells, Steven et.al.	□	□	□	□	□
100	P	R	US 5463603	19951031	Servo data recovery circuit for disk drive	360/67	360/61; 360/65;	Petersen, Corey D.	□	□	□	□	□
101	P	R	US 5420730	19950530	Unauthorized use prevention method for a	360/77.08	360/51; 360/78.14	Moon, Ronald R. et.al.	□	□	□	□	□
102	P	R	US 5418852	19950523	Flash EEPROM system with erase sector select	705/57	360/60; 713/193	Itami, Satoshi et.al.	□	□	□	□	□
103	P	C	US 5418752	19950523	Reclamation of dust contaminated sectors in	365/218	365/185.09	Harari, Eliyahou et.al.	□	□	□	□	□
104	P	E	US 5303219	19940412	Format for data storing disk media	369/53.17	369/53.24	Kulakowski, John E. et.al.	□	□	□	□	□
105	P	R	US 5297148	19940322	Fault tolerant RLL data sector address mark decoder	714/710	365/185.09	Jaquette, Glen A. et.al.	□	□	□	□	□
106	P	E	US 5293565	19940308	Defect inspecting apparatus for disc-shaped	369/275.3	360/48	Gold, Clifford M.	□	□	□	□	□
107	P	R	US 5231545	19930727	Servo error detecting method of an optical disk	360/49	341/59; 360/40	Shimote, Yuuji et.al.	□	□	□	□	□
108	P	R	US 5212677	19930518	Optical information recording and reproducing	369/53.17	360/31; 369/30.07	Segawa, Hideki	□	□	□	□	□
109	P	R	US 5161136	19921103	Disc memory apparatus	369/30.11	369/44.26; 369/44.34	Takagi, Yuji et.al.	□	□	□	□	□
110	P	R	US 5077720	19911231	Disc memory apparatus	369/59.25	369/53.13; 369/59.26;	Seko, Satoru et.al.	□	□	□	□	□
111	P	R	US 5065382	19911112	Optical information recording and reproducing	369/44.26	360/77.05; 360/77.08;	Takagi, Yuji et.al.	□	□	□	□	□
112	P	C	US 4949326	19900814	Optical disk tracking and seeking systems and	369/53.17		Getreuer, Kurt W. et.al.	□	□	□	□	□
113	P	E	US 4914645	19900403	Media defect management within disk drive sectors	369/44.26	369/105; 369/124.05	Graham, Randolph H. et.al.	□	□	□	□	□
114	P	R	US 4914530	19900403	Method of formatting a storage medium and drive	360/48	360/49; 360/50;	Tanaka, Shinichi et.al.	□	□	□	□	□
115	P	R	US 4862295	19890829	Data processing peripheral subsystems for	360/48	360/49; 369/59.25;	Kulakowski, John et.al.	□	□	□	□	□
116	P	R	US 4813011	19890314	Method of processing	711/4	360/77.03; 360/78.14;						

#	Document ID	Issue Date	Page(s)	Title	Current IP	Current IP Removal	Inventor	S	C	P	
100	P A US 5463603	19951031		Computer disk drive integrated data path circuit	360/67	360/61; 360/65;	Petersen, Corey D. et al.	□	□	□	□
101	P A US 5420730	19950530		Servo data recovery circuit for disk drive	360/77.08	360/51; 360/78.14	Moon, Ronald R. et al.	□	□	□	□
102	P A US 5418852	19950523		Unauthorized use prevention method for a Flash EEPROM system with erase_sector selection	705/57	360/60; 713/193	Itami, Satoshi et al.	□	□	□	□
103	P A US 5418752	19950523		Reclamation of dust contaminated sectors in Flash eeprom system	365/218	365/185.09	Harari, Eliyahou et al.	□	□	□	□
104	P A US 5303219	19940412		Format for data-storing disk media	369/53.17	369/53.24	Kulakowski, John E. et al.	□	□	□	□
105	P A US 5297148	19940322		Fault tolerant RLL data sector address mark detection	714/710	365/185.09	Harari, Eliyahou et al.	□	□	□	□
106	P A US 5293565	19940308		Defect inspecting apparatus for disc-shaped media	369/275.3	360/48	Jaquette, Glen A. et al.	□	□	□	□
107	P A US 5231545	19930727		Servo error detecting method of an optical disc	360/49	341/59; 360/40	Gold, Clifford M. et al.	□	□	□	□
108	P A US 5212677	19930518		Optical information recording and reproducing apparatus	369/53.17	360/31; 369/30.07	Shimote, Yuuji et al.	□	□	□	□
109	P A US 5161136	19921103		Method of formatting a storage medium and drive	369/30.11	369/44.26; 369/44.34	Segawa, Hideki et al.	□	□	□	□
110	P A US 5077720	19911231		Optical information recording and reproducing apparatus	369/59.25	369/53.13; 369/59.26	Takagi, Yuji et al.	□	□	□	□
111	P A US 5065382	19911112		Disc memory apparatus	369/44.26	360/77.05; 360/77.08	Seko, Satoru et al.	□	□	□	□
112	P A US 4949326	19900814		Optical information recording and reproducing apparatus	369/53.17		Takagi, Yuji et al.	□	□	□	□
113	P A US 4914645	19900403		Optical disk tracking and seeking systems and methods	369/44.26	369/105; 369/124.05	Getreuer, Kurt W. et al.	□	□	□	□
114	P A US 4914530	19900403		Media defect management within disk drive sectors	360/48	360/49; 360/50	Graham, Randolph H. et al.	□	□	□	□
115	P A US 4862295	19890829		Method of formatting a storage medium and drive	360/48	360/49; 369/59.25	Tanaka, Shinichi et al.	□	□	□	□
116	P A US 4813011	19890314		Data processing peripheral subsystems having optical system employing a laser beam	711/4	360/77.03; 360/78.14	Kulakowski, John E. et al.	□	□	□	□
117	P A US 4797868	19890110		Least squares method and apparatus for determining topography of a MOS disk memory control	369/44.12	250/201.4; 365/122	Ando, Hideo et al.	□	□	□	□
118	P A US 4764914	19880816		Chip topography for a MOS disk memory control	369/53.14	360/77.04; 369/111	Estes, Marvin F. et al.	□	□	□	□
119	P A US 4649474	19870310		Disk channel controller	710/5		Ambrosius, III, William H. et al.	□	□	□	□
120	P A US 4647991	19870303		Chip topography for a MOS disk memory control	360/72.2	360/48	Zangenehpour, Saeed et al.	□	□	□	□
121	P A US 4549262	19851022		Apparatus for detecting faulty sectors and for adaptive WSI/MOS solid state memory system	716/1	257/202; 257/923	Chung, Randall M. et al.	□	□	□	□
122	P A US 4405952	19830920			360/49	360/39; 360/54	Slakmon, Gilbert et al.	□	□	□	□
123	P A US 4398248	19830809			365/230.03	365/200	Hsia, Yukun et al.	□	□	□	□

- L1: (986804) defect or error or fault
- L2: (1638532) adjacent
- L3: (17363) 1 with 2
- L4: (98337) disk adj1 drive
- L5: (3899) sector adj1 address
- L6: (1) 3 same 4 same 5
- L7: (121) 3 and 4 and 5
- L8: (1874437) log or memory or storage
- L9: (114) 7 and 8
- L10: (379051) pad or padding ✓
- L11: (12) 9 and 10

Failed

Saved

Favorites

Browse Status Check

Disk USPTO US PGR US PGR US TDB

Search Scope: OR

Highlight items in list

9 and 10

	Document	Issue Date	Pages	Title	Current DR	Current DR	Retrieval	Inventor	S	C	P	U	B	M
1	US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.	✓	✓	✓	✓	✓	✓
2	US 2002021517	20020221	56	Method and apparatus for recording and record	360/48	360/53		Katayama, Yukari et al.	✓	✓	✓	✓	✓	✓
3	US 6411458	20020625	32	Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et al.	✓	✓	✓	✓	✓	✓
4	US 6400523	20020604	53	Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	✓	✓	✓	✓	✓	✓
5	US 6223303	20010424	16	Disk drive having two tiered defect list comp	714/8	714/54		Billings, Russell A. et al.	✓	✓	✓	✓	✓	✓
6	US 6034831	20000307	20	Dynamic reverse reassign apparatus and	360/53	360/31; 360/47		Dobbek, Jeffrey J. et al.	✓	✓	✓	✓	✓	✓
7	US 5715105	19980203	56	Method of and apparatus for recording on and re	360/48	360/53; 360/77.08		Katayama, Yukari et al.	✓	✓	✓	✓	✓	✓
8	US 5589998	19961231	14	Cylinder address storage in multiple ser	360/78.14	360/49; 360/76		Yu, Mantle M.	✓	✓	✓	✓	✓	✓
9	US 5231545	19930727	25	Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	✓	✓	✓	✓	✓	✓
10	US 4649474	19870310	22	Chip topography for a MOS disk memory control	710/5			Ambrosius, III, William H. et al.	✓	✓	✓	✓	✓	✓
11	US 4549262	19851022	20	Chip topography for a MOS disk memory control	716/1	257/202; 257/923		Chung, Randall M. et al.	✓	✓	✓	✓	✓	✓
12	US 4398248	19830809	17	Adaptive WSI/MNOS solid state memory system	365/230.03	365/200		Hsia, Yukun et al.	✓	✓	✓	✓	✓	✓

EAST - [Unlisted 1:1]

File View Edit Tools Window Help

中華書局影印

- ③ Drafts
- ④ Pending
- ⑤ Active
 - ⑥ L1: (1040957) defect or error or fault
 - ⑥ L2: (1708950) adjacent
 - ⑥ L3: (18360) 1 with 2
 - ⑥ L4: (108580) disk adj1 drive
 - ⑥ L5: (4101) sector adj1 address
 - ⑥ L6: (1) 3 same 4 same 5
 - ⑥ L7: (131) 3 and 4 and 5
 - ⑥ L8: (1970154) log or memory or storage
 - ⑥ L9: (123) 7 and 8
 - ⑥ L10: (400841) pad or padding
 - ⑥ L11: (13) 9 and 10
 - ⑥ L12: (409276) 10 or padded
 - ⑥ L13: (333) 4 and 5 and 12
 - ⑥ L14: (685031) circumference or circumferential or circumferentially
 - ⑥ L15: (959282) radial or radius or radially
 - ⑥ L16: (68) 13 and 14 and 15

... Failed

1

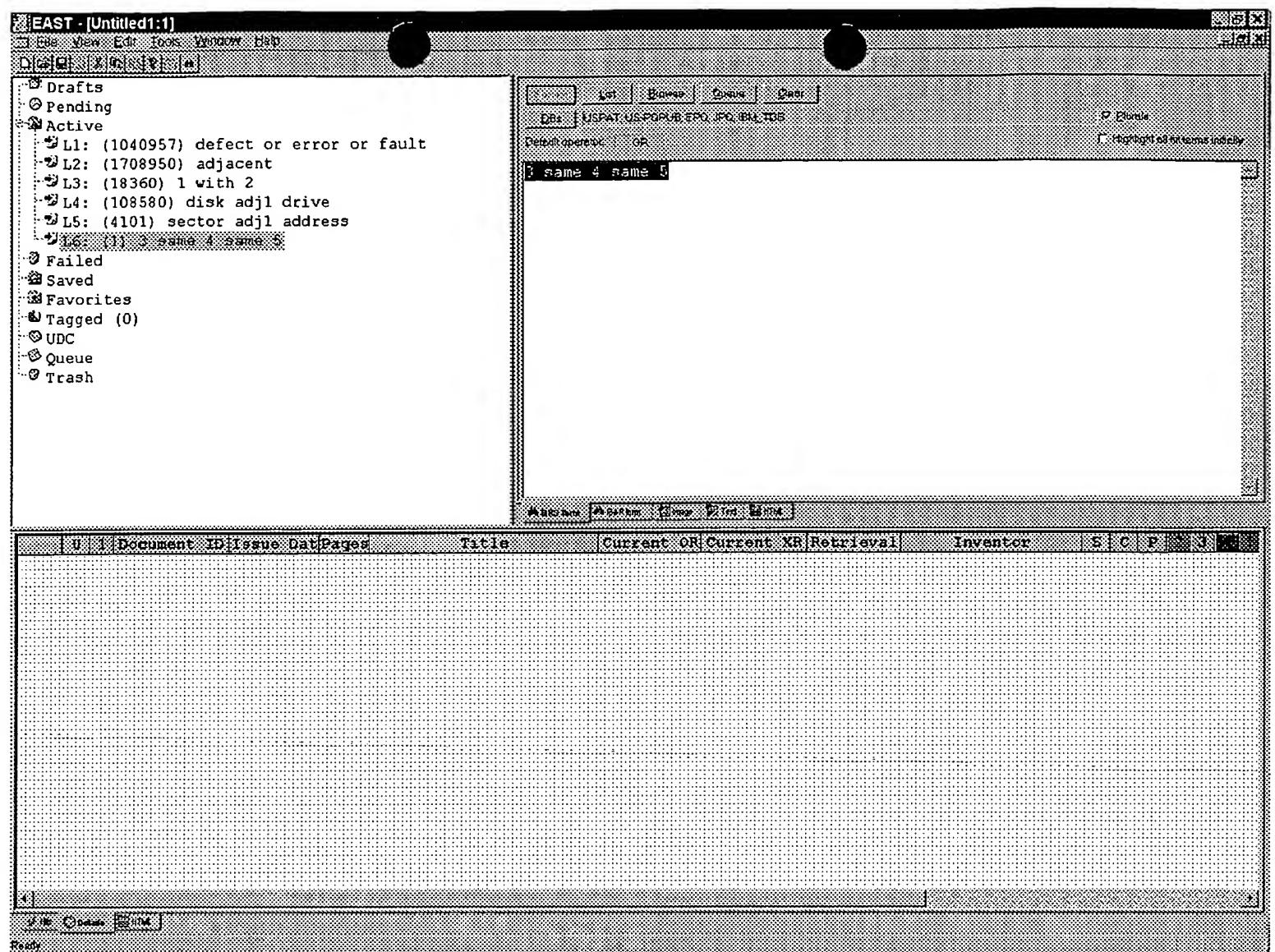
第五章

卷之二

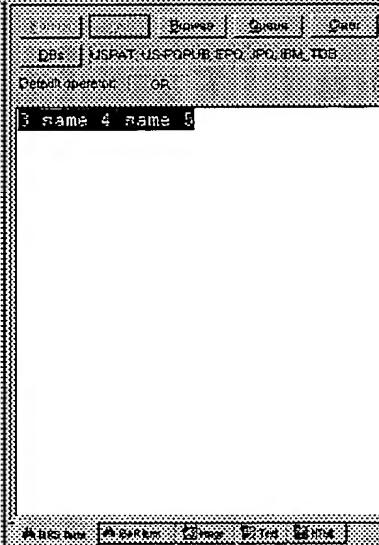
1-8 Drafts

Serial	Document	Issue Date	Partages	Title	Current	ON	Current	IB	Reviewed	Comments	Source	Source
12	F G	US 6441981	20020827	Disk drive including a recording.surface.emplor method.of.monitoring.tr	360/51	360/48;				Cloke, Robert	C	E G E G G
13	F G	US 6411458	20020625	B1	32	Disk drive employing method.of.monitoring.tr	360/75	360/77.08		Leslie,et.al.	E	G G E G G
14	F G	US 6400523	20020604	B1	53	Method and apparatus for recording.and.repro	360/77.04	360/77.08;		Billings, Russell	E	G G E G G
15	F G	US 6366732	20020402	B1		Machine readable recording.medium.reco	386/95	360/78.14		A,et.al.	A	G G E G G
16	F G	US 6356707	20020312	B1		Multimedia optical disk...reproduction.appa	386/95	386/125;		Katayama, Yukari	C	G G E G G
17	F G	US 6356703	20020312	B1		Optical disc for coordinating.a.variable	386/82	386/70		et.al.	E	G G E G G
18	F G	US 6295176	20010925	B1		Apparatus and process for.identifying.sectors	360/48	386/126		Nonomura, Tomoyuki	F	G G E G G
19	F G	US 6262857	20010717	B1		Disk drive including a recording.surface.emplor	360/51	360/46;		Reddy, Prafulla B.	F	G G E G G
20	F G	US 6236528	20010522	B1		Method and apparatus for.recording.and.repro	360/77.04	360/48;		Hull, Richard	F	G G E G G
21	F G	US 6229952	20010508	B1		Optical disc, reproduction.device.and	386/95	386/125		William,et.al.	F	G G E G G
22	F G	US 6226446	20010501	B1		Machine readable recording.medium.repro	386/95	386/126		Nonomura, Tomoyuki	C	G G E G G
23	F G	US 6223303	20010424	B1	16	Disk drive having two tiered.defect.list.combo	714/8	360/70		Murase, Kaoru	E	G G E G G
24	F G	US 6201928	20010313	B1		Reproduction device and method_for.coordinating	386/68	386/126		Billings, Russell	C	G G E G G
25	F G	US 6185365	20010206	B1		Multimedia optical disk...reproduction.appa	386/95	386/125;		A,et.al.	E	G G E G G
26	F G	US 6185058	20010206	B1		No-ID data storage disk.drive.data.sector.forma	360/48	386/70		Dobbek, Jeffrey	F	G G E G G
27	F G	US 6154331	20001128	A		Disk formatter write gate.look-ahead.device	360/51	711/171		Joseph,et.al.	F	G G E G G
28	F G	US 6134383	20001017	A		Recording medium, recording.apparatus.and	386/95	360/46;		Hanna, Stephen D.	F	G G E G G
29	F G	US 6112009	20000829	A		Apparatus and method for.reproducing.data.fr	386/95	386/61;		Kikuchi, Shinichi	F	G G E G G
30	F G	US 6108158	20000822	A		Method and apparatus for.recording.and.repro	360/77.04	386/111		et.al.	E	G G E G G
31	F G	US 6034831	20000307	A	20	Dynamic reverse reasain...apparatus.and	360/53	386/125;		Dobbek, Jeffrey J.	F	G G E G G
32	F G	US 6016959	20000125	A		Card drive apparatus and.card...	235/449	360/48;		et.al.	E	G G E G G
33	F G	US 6016530	20000118	A		Mass computer storage system.having.both.sol	711/6	360/47;		Kamo, Masayoshi	C	G G E G G
34	F G	US 5942744	19990824	A		Card drive apparatus and.card...	235/487	360/101;		Auclair, Daniel L.	F	G G E G G
35	F G	US 5937435	19990810	A		System and method for skip-sector.mapping.in	711/202	360/2		et.al.	E	G G E G G
36	F G	US 5907658	19990525	A		Multimedia optical	386/95	711/106;		Dobbek, Jeff J. et	F	G G E G G
								386/125;		al.	E	G G E G G

U	I	Document	Issue Date	Pages	Title	Current 10	Current 15	Relevant	Inventor	C	C	P	Y	Y
35	F	US 5937435	19990810		System and method for skib-sector mapping in multimedia optical disk...reproductionappa	711/202	711/205; 711/206;		Dobbek, Jeff J. et al.	C	C	P	Y	Y
36	F	US 5907658	19990525		Multimedia optical disk...reproductionappa	386/95	386/125; 386/70		Murase, Kaoru et al.	C	C	P	Y	Y
37	F	US 5890209	19990330		System and method for reducing...target...track...s	711/112	360/78.04; 360/78.14		Dobbek, Jeffrey Joseph	C	C	P	Y	Y
38	F	US 5818654	19981006		Apparatus and process for managing...defective...	360/53	360/48; 360/49;		Reddy, Prafulla B. et al.	C	C	P	Y	Y
39	F	US 5778418	19980707		Mass computer storage svstem...having...both...solid...	711/101	711/103; 711/111;		Auclair, Daniel L. et.al.	C	C	P	Y	Y
40	F	US 5768044	19980616		Zoned recording embedded...servo...disk...drive	360/77.08	360/78.14		Hetzler, Steven Robert et.al.	C	C	P	Y	Y
41	F	US 5734788	19980331		Multimedia optical disc which...can...preserve...the...	386/126	386/125		Nonomura, Tomoyuki et.al.	C	C	P	Y	Y
42	F	US 5715105	19980203	56	Method of and apparatus for recording...on...and...re...	360/48	360/53; 360/77.08		Katayama, Yukari et.al.	C	C	P	Y	Y
43	F	US 5589998	19961231	14	Cylinder address storage...in...multiple...ser...	360/78.14	360/49; 360/76.		Yu, Mantle M.	C	C	P	Y	Y
44	F	US 5581418	19961203		Magnetic disk drive unit...capable...of...determini...	360/51	360/77.08; 360/78.14		Hasebe, Masahiro	C	C	P	Y	Y
45	F	US 5546535	19960813		Multiple controller sharing...in...a...redundant...	714/9	714/42		Stallmo, David C. et.al.	C	C	P	Y	Y
46	F	US 5535069	19960709		Very high-density diskette...format...method	360/77.03	360/135; 360/77.04		Chiao, James et al.	C	C	P	Y	Y
47	F	US 5523903	19960604		Sector architecture for fixed...block...disk...drive	360/77.08	360/48; 360/51		Hetzler, Steven R. et.al.	C	C	P	Y	Y
48	F	US 5517631	19960514		Miniature disk drive having...embedded...sector...	711/111	360/77.02; 360/77.08		Machado, Michael G. et.al.	C	C	P	Y	Y
49	F	US 5515212	19960507		Very high-density diskette...format...method	360/77.03	360/48		Chiao, James et al.	C	C	P	Y	Y
50	F	US 5475540	19951212		Magnetic data storage disk...drive...with...data...bl...	360/48	360/51; 360/77.08		Gold, Clifford M.	C	C	P	Y	Y
51	F	US 5392176	19950221		Recording/reproducing device...emulating...device	360/97.01	310/156.34		Anderson, Scott K.	C	C	P	Y	Y
52	F	US 5255136	19931019		High capacity submicro...winchester...fix	360/77.02	360/77.05; 360/77.08		Machado, Michael G. et.al.	C	C	P	Y	Y
53	F	US 5231545	19930727	25	Fault tolerant RLL data sector...address...mark...dec...	360/49	341/59; 360/40		Gold, Clifford M.	C	C	P	Y	Y
54	F	US 5227930	19930713		Head position recalibration...for...disk...	360/78.04	360/77.03; 360/77.04		Thanos, William N. et.al.	C	C	P	Y	Y
55	F	US 5140683	19920818		Method for dispatching work...requests...in...a...data...	711/117	711/114		Gallo, Frank D. et al.	C	C	P	Y	Y
56	F	US 5119291	19920602		Modular data storage directories...for...large...c...	711/4	360/72.2; 360/78.14		Flannagan, William J. et.al.	C	C	P	Y	Y
57	F	US 5016121	19910514		Disk drive controller system	360/39	360/60; 360/78.04		Peddie, Charles I. et.al.	C	C	P	Y	Y
58	F	US 4827462	19890502		Modular data storage directories...for...large...c...	369/30.09			Flannagan, William J. et.al.	C	C	P	Y	Y



- Drafts
- Pending
- Active
 - L1: (986804) defect or error or fault ✓
 - L2: (1638532) adjacent ✓
 - L3: (17363) 1 with 2 ✓
 - L4: (98337) disk adj1 drive ✓
 - L5: (3899) sector adj1 address ✓
 - L6: (1) 3 name 4 name 5 ✓
- Failed
- Saved
- Favorites
- Tagged (0)
- UDC
- Queue
- Trash



	Document ID	Issue Date	Pages	Title	Current OR Current X8 Retrieval	Inventor	S	C	P	X	W
1	<input checked="" type="checkbox"/> US 20021219 21 Merged defect entries for defects running in	360/53				Liew, San Yuan et al.	<input checked="" type="checkbox"/>				

Drafts Pending Active

- L1: (986804) defect or error or fault
- L2: (1638532) adjacent
- L3: (17363) 1 with 2
- L4: (98337) disk adj1 drive
- L5: (3899) sector adj1 address
- L6: (1) 3 same 4 same 5
- L7: (121) 3 and 4 and 5
- L8: (1874437) log or memory or storage
- L9: (114) 7 and 8
- L10: (379051) pad or padding
- L11: (12) 9 and 10
- L12: (387079) 10 or padded
- L13: (326) 4 and 5 and 12
- L14: (659857) circumference or circumferential or circumferentially
- L15: (921405) radial or radius or radially
- L16: (17) 13 and 14 and 15

 Failed Saved

Document Status: Search | Sort | Open
 Col1: ISPATIS | Col2: SPC | Col3: IBM | Col4: TDB | Print
 Default order: DS | The last 10 items added
 13 and 14 and 15

	U	I	Document	ID	Issue Date	Pages	Title	Current CR	Current XR	Retrieval	Inventor	S	C	P	U	B
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030043495	20030306	23	Massively parallel fixed_head_disk_drive...	360/75				Mayer, David F.	<input checked="" type="checkbox"/>				
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 2003002858	20030102		Recording medium, recording_apparatus_and...	386/98	386/125			Kikuchi, Shinichi et.al.	<input checked="" type="checkbox"/>				
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020191963	20021219		Recording medium, recording_apparatus_and...	386/95	386/126			Kikuchi, Shinichi et.al.	<input checked="" type="checkbox"/>				
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020191319	20021219	21	Merged defect entries for_defects_running_in...	360/53				Liew, San Yuan et.al.	<input checked="" type="checkbox"/>				
5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020711			Recording medium, recording_apparatus_and...	386/111	386/125			Kikuchi, Shinichi et.al.	<input checked="" type="checkbox"/>				
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020090206			Optical disc for coordinating_a_variable...	386/95	386/111; 386/126			Nonomura, Tomoyuki et.al.	<input checked="" type="checkbox"/>				
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020061186	20020523		Method and apparatus for_recording_and_reco...	360/48	360/53			Katayama, Yukari et.al.	<input checked="" type="checkbox"/>				
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020021517			Fast track reassign in a_rotating_storage_medi...	711/4	707/205; 711/201...			Dobbek, Jeff J.	<input checked="" type="checkbox"/>				
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6574699	20030603		B1. Transmission apparatus, recording_apparatus_tr...	710/306	369/110.01			Inoue, Hiraku	<input checked="" type="checkbox"/>				
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6496896	20021217		B1. Optical disc for coordinating_a_variable...	386/68	386/126			Nonomura, Tomoyuki et.al.	<input checked="" type="checkbox"/>				
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6493503	20021210		Disk drive including a recording_surface_emplo...	360/51	360/48; 360/77.08			Cloke, Robert Leslie et.al.	<input checked="" type="checkbox"/>				
12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6411458	20020625	32	B1. Disk drive employing method_of_monitoring_tr...	360/75	360/25			Billings, Russell A. et.al.	<input checked="" type="checkbox"/>				

XREF: Classes: PRINT: Ready

Page 1

Number	Document Type	Issue Date	Pages	Title	Current	ORIGIN	Author	Revised	Inventor	S	C	P	IN	EX	RE
13	F	US 6400523	20020604	53	Method and apparatus for recording and record B1	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et.al.	<input checked="" type="checkbox"/>					
14	F	US 6366732	20020402		Machine readable recording medium...repro B1	386/95	386/125		Murase, Kaoru et.al.	<input checked="" type="checkbox"/>					
15	F	US 6356707	20020312		Multimedia optical disk...reproduction appa B1	386/95	386/125; 386/70		Murase, Kaoru et.al.	<input checked="" type="checkbox"/>					
16	F	US 6356703	20020312		Optical disc for coordinatinq a variable B1	386/82	386/126		Nonomura, Tomoyuki et.al.	<input checked="" type="checkbox"/>					
17	F	US 6295176	20010925		Apparatus and process for identifying sectors B1	360/48	360/51		Reddy, Prafulla B. et.al.	<input checked="" type="checkbox"/>					
18	F	US 6262857	20010717		Disk drive including a recording surface...emplo B1	360/51	360/46; 360/48		Hull, Richard William et.al.	<input checked="" type="checkbox"/>					
19	F	US 6236528	20010522		Method and apparatus for recording and repro B1	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et.al.	<input checked="" type="checkbox"/>					
20	F	US 6229952	20010508		Optical disc, reproduction device and B1	386/95	386/126		Nonomura, Tomoyuki et.al.	<input checked="" type="checkbox"/>					
21	F	US 6226446	20010501		Machine readable recording medium...repro B1	386/95	386/125; 386/70		Murase, Kaoru et.al.	<input checked="" type="checkbox"/>					
22	F	US 6223303	20010424	16	Disk drive having two tiered defect list comp B1	714/8	714/54		Billings, Russell A. et.al.	<input checked="" type="checkbox"/>					
23	F	US 6201928	20010313		Reproduction device and method for coordinatinq B1	386/68	386/126		Nonomura, Tomoyuki et.al.	<input checked="" type="checkbox"/>					
24	F	US 6185365	20010206		Multimedia optical disk...reproduction appa B1	386/95	386/125; 386/70		Murase, Kaoru et.al.	<input checked="" type="checkbox"/>					
25	F	US 6185058	20010206		No-ID data storage disk drive...sector forma B1	360/48	360/53; 711/171		Dobbek, Jeffrey Joseph et.al.	<input checked="" type="checkbox"/>					
26	F	US 6154331	20001128		Disk formatter write gate...look-ahead device B1	360/51	360/46; 360/61		Hanna, Stephen D.	<input checked="" type="checkbox"/>					
27	F	US 6134383	20001017		Recording medium, recording apparatus and B1	386/95	386/111		Kikuchi, Shinichi et.al.	<input checked="" type="checkbox"/>					
28	F	US 6112009	20000829		Apparatus and method for reproducing data fr B1	386/95	386/111; 386/125		Kikuchi, Shinichi et.al.	<input checked="" type="checkbox"/>					
29	F	US 6108158	20000822		Method and apparatus for recording and repro B1	360/77.04	360/125; 360/48		Katayama, Yukari et.al.	<input checked="" type="checkbox"/>					
30	F	US 6034831	20000307	20	Dynamic reverse reassign...apparatus and Card drive apparatus and card B1	360/53	360/31; 360/47		Dobbek, Jeffrey J. et.al.	<input checked="" type="checkbox"/>					
31	F	US 6016959	20000125		Mass computer storage system...both solid card drive apparatus and card B1	235/449	360/2		Kamo, Masayoshi et.al.	<input checked="" type="checkbox"/>					
32	F	US 6016530	20000118		Card drive apparatus and card B1	711/6	711/1; 711/101		Auclair, Daniel L. et.al.	<input checked="" type="checkbox"/>					
33	F	US 5942744	19990824		System and method for skip-sector mapping in Multimedia optical disk...reproduction appa B1	235/487	235/493; 360/2		Kamo, Masayoshi et.al.	<input checked="" type="checkbox"/>					
34	F	US 5937435	19990810		System and method for skip-sector mapping in B1	711/202	711/205; 711/206		Dobbek, Jeff J. et.al.	<input checked="" type="checkbox"/>					
35	F	US 5907658	19990525		Apparatus and process for reducing target tracks B1	386/95	386/125; 386/70		Murase, Kaoru et.al.	<input checked="" type="checkbox"/>					
36	F	US 5890209	19990330		System and method for Apparatus and process B1	711/112	360/78.04; 360/78.14		Dobbek, Jeffrey Joseph	<input checked="" type="checkbox"/>					
37	F	US 5818654	19981006		Apparatus and process B1	360/53	360/48;		Reddy, Prafulla B.	<input checked="" type="checkbox"/>					

W	I	Document	Issue Date	Page	Title	Current Office	Current KR	Row	Year	Inventor	S	C	P	N	E
34	F	US 5937435	19990810		System and method for skip_sector_mapping_in	711/202	711/205; 711/206;			Dobbek, Jeff J. et al.	<input checked="" type="checkbox"/>				
35	F	US 5907658	19990525		Multimedia optical disk...reproduction appa	386/95	386/125; 386/70;			Murase, Kaoru et al.	<input checked="" type="checkbox"/>				
36	F	US 5890209	19990330		System and method for reducing...target...track.s	711/112	360/78.04; 360/78.14;			Dobbek, Jeffrey Joseph	<input checked="" type="checkbox"/>				
37	F	US 5818654	19981006		Apparatus and process for managing defective	360/53	360/48; 360/49;			Reddy, Prafulla B. et al.	<input checked="" type="checkbox"/>				
38	F	US 5778418	19980707		Mass computer storage system...having...both...sol	711/101	711/103; 711/111;			Auclair, Daniel L. et.al.	<input checked="" type="checkbox"/>				
39	F	US 5768044	19980616		Zoned recording	360/77.08	360/78.14			Hetzler, Steven Robert et.al.	<input checked="" type="checkbox"/>				
40	F	US 5734788	19980331		Multimedia optical disc which...can...preserve...the	386/126	386/125			Nonomura, Tomoyuki et.al.	<input checked="" type="checkbox"/>				
41	F	US 5715105	19980203	56	Method of and apparatus for recording...on...and...re	360/48	360/53; 360/77.08			Katayama, Yukari et.al.	<input checked="" type="checkbox"/>				
42	F	US 5589998	19961231	14	Cylinder address storage...in...multiple...ser	360/78.14	360/49; 360/76;			Yu, Mantle M.	<input checked="" type="checkbox"/>				
43	F	US 5581418	19961203		Magnetic disk drive unit...capable...of...determi	360/51	360/77.08; 360/78.14			Hasebe, Masahiro	<input checked="" type="checkbox"/>				
44	F	US 5546535	19960813		Multiple controller sharing...in...a...redundant	714/9	714/42			Stallmo, David C. et.al.	<input checked="" type="checkbox"/>				
45	F	US 5535069	19960709		Very high-density diskette...format...method	360/77.03	360/135; 360/77.04			Chiao, James et al.	<input checked="" type="checkbox"/>				
46	F	US 5523903	19960604		Sector architecture for fixed...block...disk...drive	360/77.08	360/48; 360/51			Hetzler, Steven R. et.al.	<input checked="" type="checkbox"/>				
47	F	US 5517631	19960514		Miniature disk drive having...embedded...sector	711/111	360/77.02; 360/77.08;			Machado, Michael G. et.al.	<input checked="" type="checkbox"/>				
48	F	US 5515212	19960507		Very high-density diskette...format...method	360/77.03	360/48			Chiao, James et al.	<input checked="" type="checkbox"/>				
49	F	US 5475540	19951212		Magnetic data storage disk...drive...with...data...bl	360/48	360/51; 360/77.08			Gold, Clifford M.	<input checked="" type="checkbox"/>				
50	F	US 5392176	19950221		Recording/reproducing device...employing...device	360/97.01	310/156,34			Anderson, Scott K.	<input checked="" type="checkbox"/>				
51	F	US 5255136	19931019		High capacity submicro...winchester...fix	360/77.02	360/77.05; 360/77.08			Machado, Michael G. et.al.	<input checked="" type="checkbox"/>				
52	F	US 5231545	19930727	25	Fault tolerant RLL data sector...address...mark...dec	360/49	341/59; 360/40			Gold, Clifford M.	<input checked="" type="checkbox"/>				
53	F	US 5227930	19930713		Head position recalibration...for...disk	360/78.04	360/77.03; 360/77.04			Thanos, William N. et.al.	<input checked="" type="checkbox"/>				
54	F	US 5140683	19920818		Method for dispatching work...requests...in...a...data	711/117	711/114			Gallo, Frank D. et al.	<input checked="" type="checkbox"/>				
55	F	US 5119291	19920602		Modular data storage directories...for...large-c	711/4	360/72.2; 360/78.14			Flannagan, William J. et.al.	<input checked="" type="checkbox"/>				
56	F	US 5016121	19910514		Disk drive controller system	360/39	360/60; 360/78.04			Peddie, Charles I. et.al.	<input checked="" type="checkbox"/>				
57	F	US 4827462	19890502		Modular data storage directories...for...large-c	369/30.09				Flannagan, William J. et.al.	<input checked="" type="checkbox"/>				

- Drafts
- Pending
- Active
 - L1: (986804) defect or error or fault
 - L2: (1638532) adjacent
 - L3: (17363) 1 with 2
 - L4: (98337) disk adj1 drive
 - L5: (3899) sector adj1 address
 - L6: (1) 3 same 4 same 5
 - L7: (121) 3 and 4 and 5
 - L8: (1874437) log or memory or storage ✓
 - L9: (114) 7 and 8
- Failed
- Saved

Dbs	USPTO-USPTO-BRO-PO-BM-TD	Dbs	USPTO-USPTO-BRO-PO-BM-TD	Dbs	USPTO-USPTO-BRO-PO-BM-TD	Dbs	USPTO-USPTO-BRO-PO-BM-TD	Dbs
General search			General search			General search		
7 and 8			7 and 8			7 and 8		
Advanced Search								

Row	Document ID	Issue Date	Pages	Title	Current or Current X	Reference	Entered	S	C	P	U	W
1	P US 20040013062	20040122	69	Recording medium, its controller and control	369/47.14	369/275.3	Hino, Yasumori et al.	<input checked="" type="checkbox"/>				
2	P US 20030206449	20031106		Flash EEPROM system	365/200		Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
3	P US 20030202377	20031030		Flash EEPROM system	365/185.03	365/185.33	Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
4	P US 20030137910	20030724		Multi-layered information recording	369/47.14	369/275.3; 369/283.	Ueda, Hiroshi et al.	<input checked="" type="checkbox"/>				
5	P US 20030135800	20030717		Method for creating defect management infor	714/719		Kim, Byung-Jin et al.	<input checked="" type="checkbox"/>				
6	P US 20030128618	20030710		Flash EEPROM system	365/230.03	365/185.19	Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
7	P US 20030703	20030703		Method for creating defect management infor	714/719		Kim, Byung-Jin et al.	<input checked="" type="checkbox"/>				
8	P US 20030126528	20030703		Method for creating defect management infor	714/719		Kim, Byung-Jin et al.	<input checked="" type="checkbox"/>				
9	P US 20030126527	20030612		Flash EEPROM system	714/8	711/103	Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
10	P US 20030110411	20030522		Flash EEPROM system	714/8		Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
11	P US 20030097609	20030515		Flash EEPROM system	714/8		Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
12	P US 20030097111	20030515		Flash EEPROM system	365/185.29	365/185.09	Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
13	P US 20030090941	20030327		Track closure error cancellation for a disc	360/77.04	360/77.08	Min, Shuangquan et al.	<input checked="" type="checkbox"/>				
14	P US 20030046603	20030306		Flash EEPROM system	714/8	716/7	Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
15	P US 20030014689	20030116		Flash EEPROM system	714/7		Harari, Eliyahou et al.	<input checked="" type="checkbox"/>				
16	P US 20020191319	20021219	21	Merged defect entries for defects running in Method and apparatus	360/53		Liew, San Yuan et al.	<input checked="" type="checkbox"/>				
17	US 20020829				369/59.25	369/275.3	Shaii, Mamoru et al.	<input checked="" type="checkbox"/>				

ID	Document ID	Type	Date	Page	Title	Current	ON	Current	XR	Retrieval	Inventor	S	C	P	N	E
						ON	XR									
36	F US 20020191319	20021219	21		Merged defect entries for defects running in	360/53					Liew, San Yuan et al.	C	C	C	C	C
37	F US 20020118624	20020829			Method and apparatus for recording optical information	369/59.25	369/275.3				Shoji, Mamoru et al.	C	C	C	C	C
38	F US 20020071193	20020613			Disk apparatus	360/31	360/53				Ogawa, Hitoshi et al.	C	C	C	C	C
39	F US 20020067563	20020606			Position sensing system for a disc drive using	360/53	360/48; 360/77.08;				Belser, Karl Arnold	C	C	C	C	C
40	F US 20020059539	20020516			HYBRID DATA STORAGE AND RECONSTRUCTION SYSTEM A	714/6	711/112; 711/114;				ANDERSON, DAVID B.	C	C	C	C	C
41	F US 20020046318	20020418			Flash eeprom system	711/103	365/185.3; 365/185.33				Harari, Eliyahou et al.	C	C	C	C	C
42	F US 20020042900	20020411			RECORDING MEDIUM FAILURE ANALYSIS APPARATUS	714/795					SCHACHNER, JOSEPH M. et al.	C	C	C	C	C
43	F US 20020024900	20020228			Optical disk, optical disk drive apparatus...a	369/47.17					Nakane, Kazuhiko et al.	C	C	C	C	C
44	F US 20020021517	20020221			Method and apparatus for recording and reproducing	360/48	360/53				Katayama, Yukari et al.	C	C	C	C	C
45	F US 20020207	20020207			Optical disk, optical disk drive apparatus...a	369/59.18					Nakane, Kazuhiko et al.	C	C	C	C	C
46	F US 20020015372	20011122			Optical disc recording apparatus...computer...read	386/126					Nakatani, Tokuo et al.	C	C	C	C	C
47	F US 20010043805	20011122			Optical disc recording apparatus...computer...read	386/126					Nakatani, Tokuo et al.	C	C	C	C	C
48	F US 20010043804	20011004			Flash EEprom system	365/185.03	365/185.11				Harari, Eliyahou et al.	C	C	C	C	C
49	F US 20010026472	20010927			Flash EEprom system	365/200					Harari, Eliyahou et al.	C	C	C	C	C
50	F US 20010024386	20010531			Flash EEprom system	365/185.33	365/185.11				Harari, Eliyahou et al.	C	C	C	C	C
51	F US 20010002174	20040210			Method for creating defect management information	714/723	714/747				Kim, Byung-Jin et al.	C	C	C	C	C
52	F US 6691265	B2			Flash EEprom system	714/8	365/185.02				Harari, Eliyahou et al.	C	C	C	C	C
53	F US 6684345	B2			Method for creating defect management information	714/723	714/747				Kim, Byung-Jin et al.	C	C	C	C	C
54	F US 6529460	B1	20030304		Detection of pulse peak instance and amplitude	369/59.21	369/124.05				Belser, Karl A.	C	C	C	C	C
55	F US 6523132	B1	20030218		Flash EEprom system	714/8	714/710; 714/723				Harari, Eliyahou et al.	C	C	C	C	C
56	F US 6519185	B2	20030211		Flash EEprom system	365/185.33	365/185.11				Harari, Eliyahou et al.	C	C	C	C	C
57	F US 6493306	B2	20021210		Optical disk, optical disk drive apparatus...a	369/59.18	369/124.15				Nakane, Kazuhiko et al.	C	C	C	C	C
58	F US 6490115	B1	20021203		Error recovery in unit using GMR sensor	360/75	360/313; 360/324				Suzuki, Hiroaki et al.	C	C	C	C	C
59	F US 6466530	B1	20021015		Optical disk, optical disk drive apparatus...a	369/47.17	369/124.15				Nakane, Kazuhiko et al.	C	C	C	C	C
60	F US 6462992	B1	20021008		Flash EEprom system	365/185.33	365/185.19				Harari, Eliyahou et al.	C	C	C	C	C

Document ID	Issue Date	Pages	Title	Current ORI	Current IR	Retrieval	Investor	SIC	IPR
41. R. C. B1.	US 6442730	20020827	Recording medium failure analysis apparatus	714/795	369/47.27;		Schachner, Joseph M. et.al.	□	□
42. R. C. B1.	US 6438079	20020820	Optical disk, optical disk drive apparatus, a	369/47.17	369/275.4;		Nakane, Kazuhiko et.al.	□	□
43. R. C. B1.	US 6414876	20020702	Flash EEPROM system	365/185.22	365/185.03		Harari, Eliyahou et.al.	□	□
44. R. C. B1.	US 6411458	20020625	Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et.al.	□	□
45. R. C. B1.	US 6400523	20020604	Method and apparatus for recording and repro	360/77.04	360/77.08;		Katayama, Yukari et.al.	□	□
46. R. C. B1.	US 6377958	20020423	File system conversion	707/200	360/78.14.		Orcutt, Niel	□	□
47. R. C. B1.	US 6373747	20020416	Flash EEPROM system	365/185.09	365/185.03		Harari, Eliyahou et.al.	□	□
48. R. C. B2.	US 6370325	20020409	Optical disc recording apparatus...computer-read	386/126	386/125;		Nakatani, Tokuo et.al.	□	□
49. R. C. B1.	US 6353704	20020305	Optical disc recording apparatus...computer-read	386/126	386/125;		Nakatani, Tokuo et.al.	□	□
50. R. C. B1.	US 6339677	20020115	Picture signal recording and reproduci	386/125	386/124;		Kihara, Toshiaki	□	□
51. R. C. B1.	US 6337845	20020108	Optical disk format having a continuous rec	369/275.3	369/275.4		Nakane, Kazuhiko et.al.	□	□
52. R. C. B1.	US 6321358	20011120	Object reconstruction on object-oriented data	714/763			Anderson, David B.	□	□
53. R. C. B1.	US 6304485	20011016	Flash EEPROM system	365/185.09			Harari, Eliyahou et.al.	□	□
54. R. C. B1.	US 6285827	20010904	Optical disc recording apparatus...computer-read	386/126	386/128;		Nakatani, Tokuo et.al.	□	□
55. R. C. B1.	US 6279089	20010821	Defective data site management through a sh	711/162	386/70.		Schibilla, Mark R. et.al.	□	□
56. R. C. B1.	US 6263459	20010717	On the fly write reallocation	714/710			Schibilla, Mark R.	□	□
57. R. C. B1.	US 6226138	20010501	Encoded TID with error detection and correctio	360/48	360/49		Blaum, Mario et.al.	□	□
58. R. C. B1.	US 6223303	20010424	Disk drive having two tiered defect list comp	714/8	714/54		Billings, Russell A. et.al.	□	□
59. R. C. B1.	US 6201775	20010313	Optical disk format having a continuous rec	369/44.29	369/44.28;		Nakane, Kazuhiko et.al.	□	□
60. R. C. B1.	US 6185575	20010206	In-place disk partition canonization and storag	707/200	369/53.28;		Orcutt, Niel	□	□
61. R. C. B1.	US 6149316	20001121	Flash EEPROM system	714/8	711/112;		Harari, Eliyahou et.al.	□	□
62. R. C. B1.	US 6125469	20000926	Error correction method and apparatus	714/769	365/113;		Zook, Christopher R. et.al.	□	□
63. R. C. B1.	US 6118924	20000912	Optical disc recording apparatus...computer-read	386/70	386/125;		Nakatani, Tokuo et.al.	□	□
64. R. C. B1.	US 6091699	20000718	Optical disk format having a continuous rec	369/275.3	386/126.		Nakane, Kazuhiko et.al.	□	□
65. R. C. B1.	US 6078463	20000620	Method and system for	360/77.12	369/124.01		Pahr, Per Olaf	□	□

Number	Document ID	Issue Date	Patent Type	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	NP	PC
63	R	US 6078463	20000620	A Method and system for generating a position and recording power adjustment for optical recording/reproducing device and method of use	360/77.12	360/48		Pahr, Per Olaf	C	C	C	C	C
64	R	US 6067284	20000523	A Dynamic reverse reassign apparatus and	369/116	369/53.26		Ikeda, Toru et al.	C	C	C	C	C
65	R	US 6043945	20000328	A Recording/reproducing device and method of use	360/53	360/47; 714/704		Tsuboi, Takehiko et al.	C	C	C	C	C
66	R	US 6034831	20000307	A Multi-state flash EEorm system with selected cell by cell program	360/53	360/31; 360/47		Dobbek, Jeffrey J. et al.	C	C	C	C	C
67	R	US 5999446	19991207	A Flash EEorm system with selected cell by cell program	365/185.03	365/185.09		Harari, Eliyahou et al.	C	C	C	C	C
70	P	US 5991517	19991123	A Multi-state flash EEorm system with selected cell by cell program	714/3	714/8		Harari, Eliyahou et al.	C	C	C	C	C
71	P	US 5936971	19990810	A Multi-state flash EEorm system with cache	714/710	365/200; 711/136		Harari, Eliyahou et al.	C	C	C	C	C
72	P	US 5933410	19990803	A Optical disc and optical disc driving apparatus	369/275.3	369/275.4		Nakane, Kazuhiko et al.	C	C	C	C	C
73	P	US 5877986	19990302	A Multi-state Flash EEorm system on a card	365/185.33	365/185.09		Harari, Eliyahou et al.	C	C	C	C	C
74	P	US 5867475	19990202	A Optical record carrier and method for recording/reproducing	369/275.3	369/59.24		Moriya, Mitsurou et al.	C	C	C	C	C
75	P	US 5862080	19990119	A Multi-state flash EEorm system with defect compensation	365/185.29	365/185.33		Harari, Eliyahou et al.	C	C	C	C	C
76	P	US 5838658	19981117	A Optical disc	369/275.4	369/275.2; 369/275.3		Nakane, Kazuhiko et al.	C	C	C	C	C
77	P	US 5835509	19981110	A Method of and apparatus for recording and reording	714/755	714/762		Sako, Yoichiro et al.	C	C	C	C	C
78	P	US 5732066	19980324	A Optical record carrier and method for recording/reproducing	369/59.26	369/275.3		Moriya, Mitsurou et al.	C	C	C	C	C
79	P	US 5719808	19980217	A Flash EEPROM system	365/185.33	365/185.22		Harari, Eliyahou et al.	C	C	C	C	C
80	P	US 5715105	19980203	A Method of and apparatus for recording on and reading	360/48	360/53; 360/77.08		Katayama, Yukari et al.	C	C	C	C	C
82	P	US 5712836	19980127	A Apparatus and method for adjusting a rotation	369/47.46			Kamoto, Hidetoshi et al.	C	C	C	C	C
87	P	US 5708649	19980113	A Optical disk capable of storing information data	369/275.3	369/47.19; 369/47.4		Kamoto, Hidetoshi et al.	C	C	C	C	C
83	P	US 5671229	19970923	A Flash eeprom system with defect handling	714/710	365/200; 714/3		Harari, Eliyahou et al.	C	C	C	C	C
84	P	US 5640383	19970617	A Apparatus and method for reproducing data from optical disk	369/275.3	369/44.26		Kamoto, Hidetoshi et al.	C	C	C	C	C
85	P	US 5615205	19970325	A Bi-level optical media having embossed header	369/275.4	369/275.3		Belser, Karl et al.	C	C	C	C	C
86	P	US 5602987	19970211	A Flash EEPROM system	714/8	365/200; 365/210		Harari, Eliyahou et al.	C	C	C	C	C
87	P	US 5602857	19970211	A Error correction method and apparatus	714/769	714/765		Zook, Christopher et al.	C	C	C	C	C
88	P	US 5589998	19961231	A Cylinder address storage in multiple serial	360/78.14	360/49; 360/76		Yu, Mantle M.	C	C	C	C	C
89	P	US 5535328	19960709	A Non-volatile memory	714/7	365/218		Harari, Eliyahou et al.	C	C	C	C	C

Number	Document	Issue Date	Patentee	Title	Current OR	Current XN	Retrieval	Inventor	S	C	P	N
20	R	US 5490264	19960206	Generally-diagonal mapping_of_address_space	711/154	711/100; 711/217;		Wells, Steven et al.	□	□	□	□
91	R	US 5463603	19951031	Computer disk drive integrated_data_path_ci	360/67	360/61; 360/65;		Petersen, Corey D.	□	□	□	□
92	R	US 5420730	19950530	Servo data recovery circuit_for_disk_drive	360/77.08	360/51; 360/78.14		Moon, Ronald R. et al.	□	□	□	□
93	R	US 5418852	19950523	Unauthorized use prevention_method_for_a	705/57	360/60; 713/193		Itami, Satoshi et al.	□	□	□	□
94	R	US 5418752	19950523	Flash EEPROM system with_erase_sector_selection	365/218	365/185.09		Harari, Eliyahou et al.	□	□	□	□
95	P	US 5303219	19940412	Reclamation of dust contaminated_sectors_in	369/53.17	369/53.24		Kulakowski, John E. et al.	□	□	□	□
96	P	US 5297148	19940322	Flash eeprom system	714/710	365/185.09		Harari, Eliyahou et al.	□	□	□	□
97	P	US 5293565	19940308	Format for data_storing_disk_media	369/275.3	360/48		Jacquette, Glen A. et al.	□	□	□	□
98	R	US 5231545	19930727	Fault tolerant RBL data sector_address_mark_decoder	360/49	341/59; 360/40		Gold, Clifford M.	□	□	□	□
99	R	US 5212677	19930518	Defect inspecting apparatus_for_disc_shan	369/53.17	360/31; 369/30.07		Shimote, Yuuji et al.	□	□	□	□
100	R	US 5161136	19921103	Servo error detecting method_of_an_optical_diamond	369/30.11	369/44.26; 369/44.34		Segawa, Hideki	□	□	□	□
101	R	US 5077720	19911231	Optical information recording_and_reproducing	369/59.25	369/53.13; 369/59.26		Takagi, Yuji et al.	□	□	□	□
102	R	US 5065382	19911112	Disc memory apparatus	369/44.26	360/77.05; 360/77.08		Seko, Satoru et al.	□	□	□	□
103	R	US 4949326	19900814	Optical information recording_and_reproducing	369/53.17			Takagi, Yuji et al.	□	□	□	□
104	P	US 4914645	19900403	Optical disk tracking and_seeking_systems_and	369/44.26	369/105; 369/124.05		Getreuer, Kurt W. et al.	□	□	□	□
105	P	US 4914530	19900403	Media defect management within_disk_drive_secto	360/48	360/49; 360/50		Graham, Randolph H. et al.	□	□	□	□
106	P	US 4862295	19890829	Method of formatting a storage_medium_and_driv	360/48	360/49; 369/59.25		Tanaka, Shinichi et al.	□	□	□	□
107	R	US 4813011	19890314	Data processing peripheral_subsystems_h	711/4	360/77.03; 360/78.14		Kulakowski, John E. et al.	□	□	□	□
108	R	US 4797868	19890110	Optical system employing_a_laser_beam	369/44.12	250/201.4; 365/122		Ando, Hideo	□	□	□	□
109	R	US 4764914	19880816	Least squares method and_apparatus_for_deter	369/53.14	360/77.04; 369/111		Estes, Marvin F. et al.	□	□	□	□
110	R	US 4649474	19870310	Chip topography for a MOS_disk_memory_control	710/5			Ambrosius, III, William H. et al.	□	□	□	□
111	R	US 4647991	19870303	Disk channel controller	360/72.2	360/48		Zangenehpour, Saeid	□	□	□	□
112	R	US 4549262	19851022	Chip topography for a MOS_disk_memory_control	716/1	257/202; 257/923		Chung, Randall M. et al.	□	□	□	□
113	P	US 4405952	19830920	Apparatus for detecting faulty_sectors_and_for	360/49	360/39; 360/54		Slakmon, Gilbert	□	□	□	□
114	P	US 4398248	19830809	Adaptive WSI/MNOS solid	365/230.03	365/200		Hsia, Yukun et al.	□	□	□	□

U	I	Document ID	Issue Date	Part	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P
91	F	US 5463603	19951031	A	1	Computer disk drive integrated data path circuit	360/67	360/61; 360/65; 360/51;		Petersen, Corey D.	□	□	□
92	F	US 5420730	19950530	A	1	Servo data recovery circuit for disk drive	360/77.08	360/78.14		Moon, Ronald R. et al.	□	□	□
93	F	US 5418852	19950523	A	1	Unauthorized use prevention method for a flash EEPROM system with erase sector selection	705/57	360/60; 713/193		Itami, Satoshi et al.	□	□	□
94	F	US 5418752	19950523	A	1	Reclamation of dust contaminated sectors in a flash EEPROM system	365/218	365/185.09		Harari, Eliyahou et al.	□	□	□
95	F	US 5303219	19940412	A	1	Format for data-storing disk media	369/53.17	369/53.24		Kulakowski, John E. et al.	□	□	□
96	F	US 5297148	19940322	A	1	Fault tolerant RLL data sector address mark detection	714/710	365/185.09		Harari, Eliyahou et al.	□	□	□
97	F	US 5293565	19940308	A	1	Format for data-storing disk media	369/275.3	360/48		Jacquette, Glen A. et al.	□	□	□
98	F	US 5231545	19930727	A	1	Fault tolerant RLL data sector address mark detection	360/49	341/59; 360/40		Gold, Clifford M.	□	□	□
99	F	US 5212677	19930518	A	1	Defect inspecting apparatus for disc-shaped media	369/53.17	360/31; 369/30.07		Shimote, Yuuji et al.	□	□	□
100	F	US 5161136	19921103	A	1	Servo error detecting method of an optical disk	369/30.11	369/44.26; 369/44.34		Segawa, Hideki	□	□	□
101	F	US 5077720	19911231	A	1	Optical information recording and reproducing apparatus	369/59.25	369/53.13; 369/59.26		Takagi, Yuji et al.	□	□	□
102	F	US 5065382	19911112	A	1	Disc memory apparatus	369/44.26	360/77.05; 360/77.08		Seko, Satoru et al.	□	□	□
103	F	US 4949326	19900814	A	1	Optical information recording and reproducing apparatus	369/53.17			Takagi, Yuji et al.	□	□	□
104	F	US 4914645	19900403	A	1	Optical disk tracking and seeking systems and methods	369/44.26	369/105; 369/124.05		Getreuer, Kurt W. et al.	□	□	□
105	F	US 4914530	19900403	A	1	Media defect management within disk drive sectors	360/48	360/49; 360/50		Graham, Randolph H. et al.	□	□	□
106	F	US 4862295	19890829	A	1	Method of formatting a storage medium and drive	360/48	360/49; 369/59.25		Tanaka, Shinichi et al.	□	□	□
107	F	US 4813011	19890314	A	1	Data processing peripheral subsystems having a	711/4	360/77.03; 360/78.14		Kulakowski, John E. et al.	□	□	□
108	F	US 4797868	19890110	A	1	Optical system employing a laser beam	369/44.12	250/201.4; 365/122		Ando, Hideo	□	□	□
109	F	US 4764914	19880816	A	1	Least squares method and apparatus for determining	369/53.14	360/77.04; 369/111		Estes, Marvin F. et al.	□	□	□
110	F	US 4649474	19870310	A	1	Chip topography for a MOS disk memory control	710/5			Ambrosius, III, William H. et al.	□	□	□
111	F	US 4647991	19870303	A	1	Disk channel controller	360/72.2	360/48		Zangenehpour, Saeid	□	□	□
112	F	US 4549262	19851022	A	1	Chip topography for a MOS disk memory control	716/1	257/202; 257/923		Chung, Randall M. et al.	□	□	□
113	F	US 4405952	19830920	A	1	Apparatus for detecting faulty sectors and for	360/49	360/39; 360/54		Slakmon, Gilbert	□	□	□
114	F	US 4398248	19830809	A	1	Adaptive VLSI/MNOS solid state memory system	365/230.03	365/200		Hsia, Yukun et al.	□	□	□